1. (Amended) A pressure measuring system for a refrigeration system, comprising:

a2 conversion means for converting a pressure being measured into a digital signal representing said measured pressure;

processing means for calculating a corresponding boiling point temperature for a selected refrigerant at said measured pressure;

refrigerant selection means for selectively inputting into said processing means the boiling point temperature-pressure relationship or coefficient of said selected refrigerant; [and]

display means for displaying said measured pressure and the calculated boiling point temperature[.]; and

wherein said processing means further comprises means for continuously performing successive calculations as said measured pressure varies with time and update means for updating the pressure and boiling point temperature values displayed by said display means at predetermined intervals; and

control means for activating said display means to indicate the direction of a pressure change, upward or downward, during said predetermined time intervals in between said updating of the pressure and temperature values.

4 a3 5. (Amended) The pressure measuring system according to claim [4] 1, wherein [the length of] said predetermined time intervals is selectable from the group of intervals consisting of one-second and five-second intervals.